

Patent Abstracts of Japan

PUBLICATION NUMBER : 03122185
PUBLICATION DATE : 24-05-91

APPLICATION DATE : 06-10-89
APPLICATION NUMBER : 01260264

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R¹.SiZ_a

INT.CL. : C09K 3/10 C08L 83/06 C08L101/00
F16B 33/06

TITLE : SEALING MATERIAL COMPOSITION
FOR THREADED JOINT

ABSTRACT : PURPOSE: To obtain the subject composition effective in preventing the galling of threaded joint and improving the sealability of the thread in unscrewing by compounding an α , ω -dihydroxydiorganopolysiloxane, a specific resin powder and a crosslinking agent at specific ratios.

CONSTITUTION: The objective composition contains (A) 100 pts. wt. of an α , ω -dihydroxydiorganopolysiloxane, (B) 5-300 pts. wt. of resin powder having a melting point of $\leq 150^{\circ}\text{C}$ and an average particle diameter of 5-100 μm (e.g. powder of PE, PP or nylon) and (C) 0.5-30 pts. wt. of a silane of formula (R¹ is univalent hydrocarbon group; Z is hydrolyzable group; a is integer of 0-2) or its partially hydrolyzed and condensed product. As necessary, the composition is compounded with a filler (e.g. carbon black) or a crosslinking catalyst.

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